

Section 10-1: Circles and Circumference

By the end of this lesson, you should be able to answer:

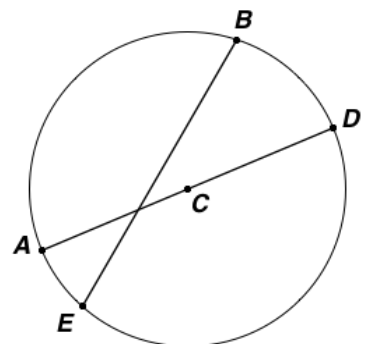
- How do you identify and use parts of circles?
- How do you solve problems involving the circumference of a circle?

Vocabulary:

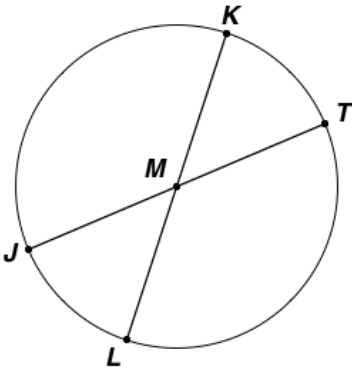
1. Circle
2. Center
3. Radius
4. Chord
5. Diameter
6. Congruent Circles
7. Concentric Circles
8. Circumference
9. Pi
10. Inscribed
11. Circumscribed

Example 1: Use the circle at the right.

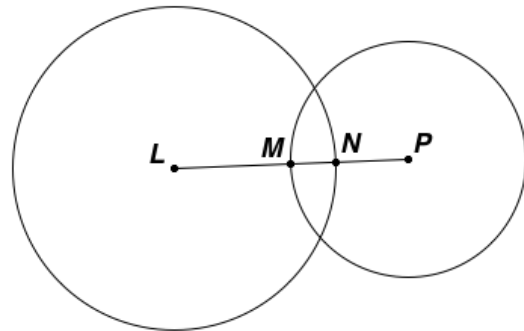
- a. Name the circle
- b. Identify a radius
- c. Identify a chord
- d. Name the diameter



Example 2: If $JT = 24$ in, what is KM ?

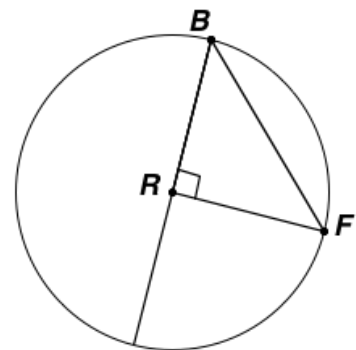


Example 3: The diameter of $\odot L$ is 22 cm and the diameter of $\odot P$ is 16 cm. $MN = 5$ cm. Find LP .



Example 4: Find the diameter and radius of a circle to the nearest hundredth if the circumference of the circle is 65.4 feet.

Example 5: Find the **exact** circumference of $\odot R$ if $BF = 3\sqrt{2}$.



Problem Set:

"We don't know who we are until we see what we can do." - Martha Grimes